

100380 97464660

FIG. 1

- Allele-Specific Primer Extension (ASPE)-Based

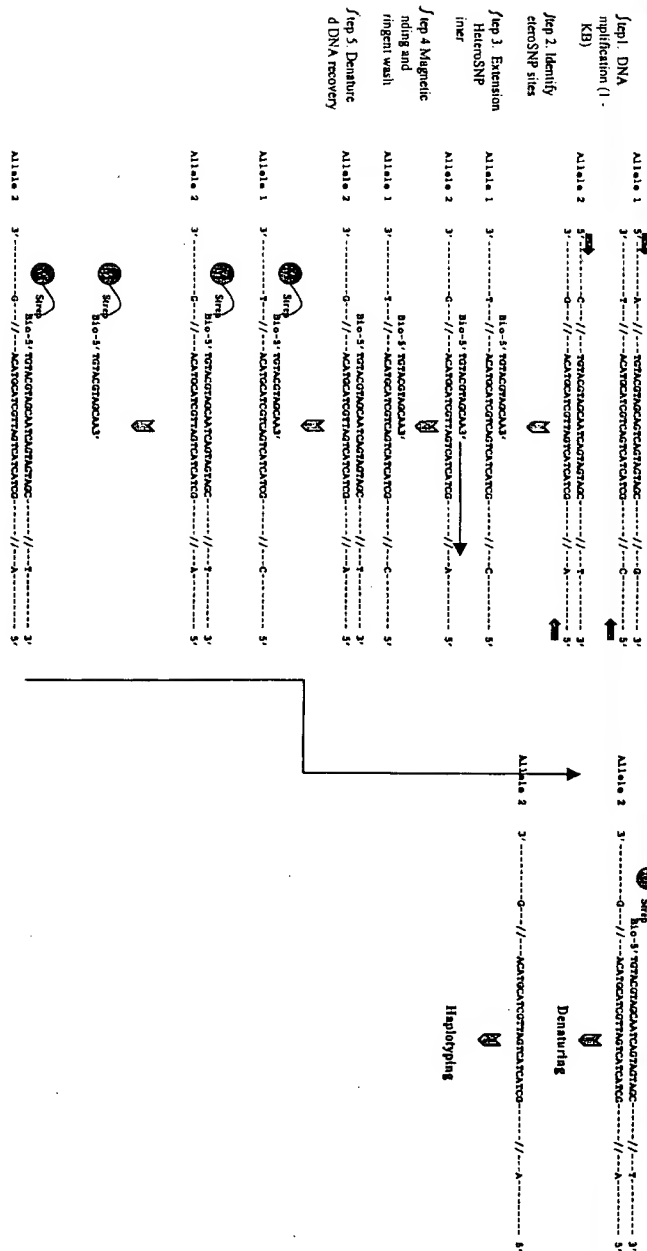


FIG. 2

- Allele-Specific Ligation/PrimerSizeTag - Based

- Allele-Specific Ligation
- HaploCatcher by Magnetic bead and Removal of Non-ligated primers and Mismatched DNA by Stringent Wash
- Haplotype-Specific Single Base Extension with Size-Tagged Primers
- HaploScan by Automatic Sequencing Gel

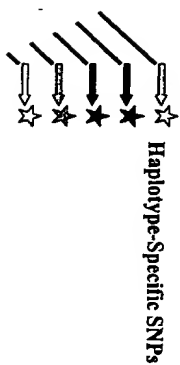
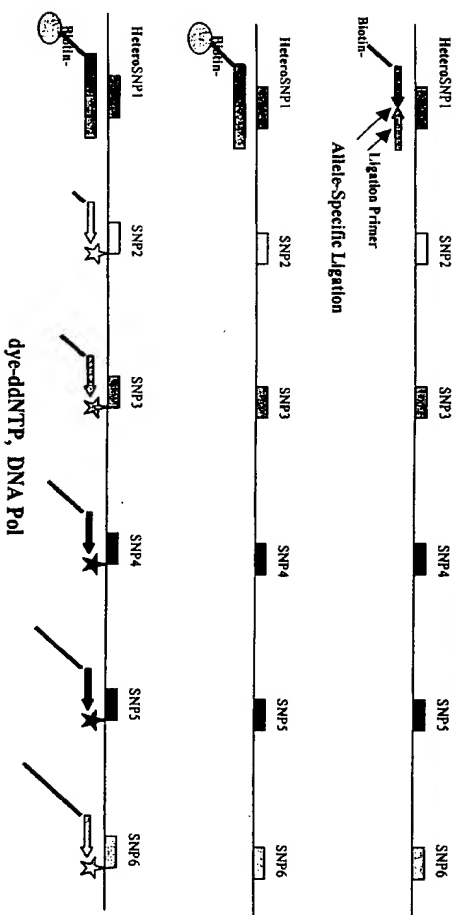
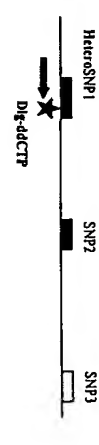
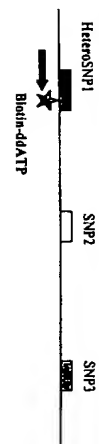


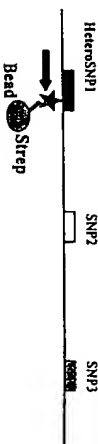
FIG. 2A

- Single-Base Extension/Primer-Size-Tag -Based

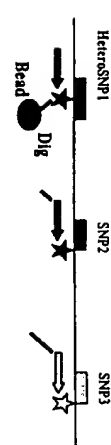
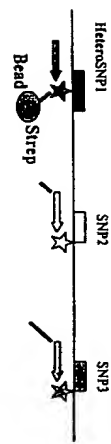
-Single Base Extension
at HeteroSNP1



-Bead-Separation of
Allele-Specific PCR
Fragments



-Single Base Extension
with Size-Tagged
Primers



-HaploScan by
Automatic Sequencer

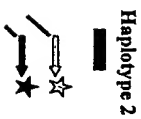
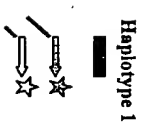


FIG. 3

- Allele-Specific Ligation/PrimerSizeTag -Based

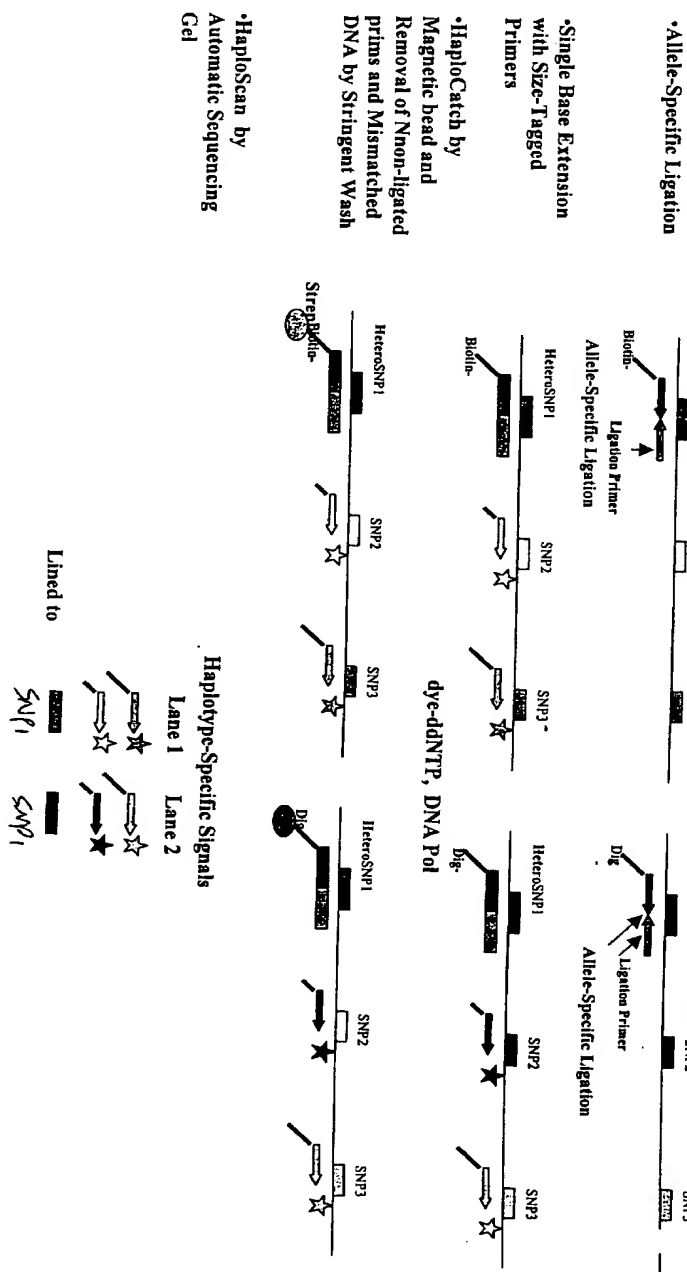
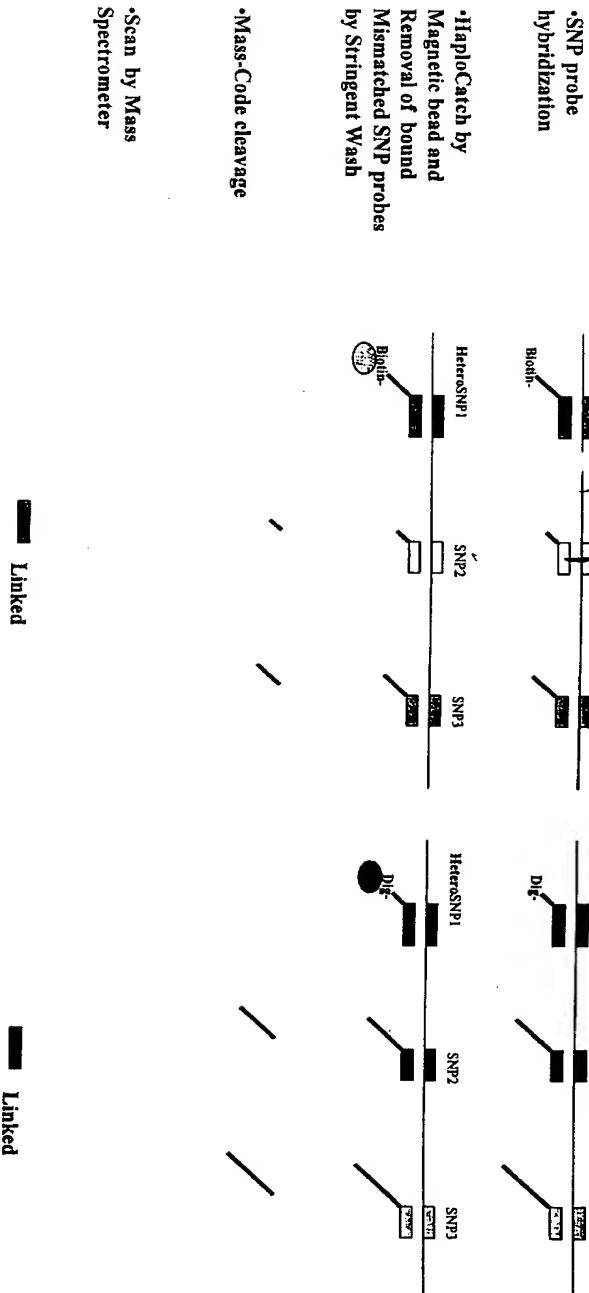


FIG. 4

(- Hybridization/MassCode -Based



- Allele-Specific Ligation/PrimerSizeTag -Based

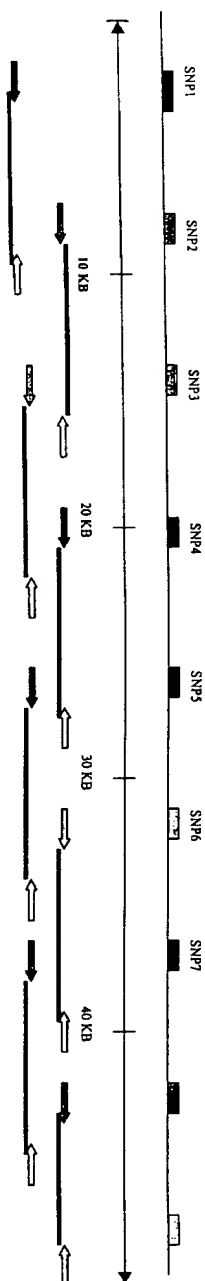
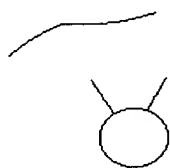
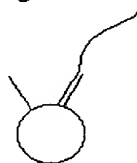


FIG. 6



A



B



C



D



E



F

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